

## CLAIMS

What is claimed is:

Claim 1. A method of extending survival and/or delaying disease progression by treating a human tumor in a mammal, wherein said tumor expresses an antigen which specifically binds to a monoclonal antibody or antigen binding fragment thereof which has the identifying characteristics of a monoclonal antibody encoded by a clone deposited with the ATCC as accession number PTA-5643 comprising administering to said mammal said monoclonal antibody in an amount effective to reduce said mammal's tumor burden, whereby disease progression is delayed and/or survival is extended.

Claim 2. The method of claim 1 wherein said antibody is conjugated to a cytotoxic moiety.

Claim 3. The method of claim 2 wherein said cytotoxic moiety is a radioactive isotope.

Claim 4. The method of claim 1 wherein said antibody activates complement.

Claim 5. The method of claim 1 wherein said antibody mediates antibody dependent cellular cytotoxicity.

1           Claim 6.       The method of claim 1 wherein said antibody is a murine antibody.  
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3           Claim 7.       The method of claim 1 wherein said antibody is a humanized  
4 antibody.  
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6           Claim 8.       The method of claim 1 wherein said antibody is a chimerized  
7 antibody.  
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9           Claim 9.       An isolated monoclonal antibody or antigen binding fragments  
10 thereof encoded by the clone deposited with the ATCC as PTA-5643.  
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12          Claim 10.      The isolated antibody or antigen binding fragments of claim 9,  
13 wherein said isolated antibody or antigen binding fragments thereof is humanized.  
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15          Claim 11.      The isolated antibody or antigen binding fragments of claim 9  
16 conjugated with a member selected from the group consisting of cytotoxic moieties,  
17 enzymes, radioactive compounds, and hematogenous cells.  
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19          Claim 12.      The isolated antibody or antigen binding fragments of claim 9,  
20 wherein said isolated antibody or antigen binding fragments thereof is a chimerized  
21 antibody.

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Claim 13. The isolated antibody or antigen binding fragments of claim 9,  
wherein said isolated antibody or antigen binding fragments thereof is a murine antibody.

Claim 14. The isolated clone deposited with the ATCC as PTA-5643.

Claim 15. The method of claim 1 wherein said tumor is a breast tumor.

Claim 16. The method of claim 1 wherein said tumor is an ovarian tumor.